



iSpeed II – GPS based Ground Speed Sensor

GPS-based ground speed sensor

Easy to install, the iSPEED II ground speed sensor puts state-of-the-art GPS technology to work for accurate speed detection.

Easy to Use

The compact, low-profile iSPEED II installs quickly and easily, magnetically or adhesively attaching to the top of your tractor or implement. No bolt-on brackets mean no incremental adjustments are required. iSPEED II also saves you time – it's pre-programmed and starts up instantly, so you don't have to drive a course repeatedly to calibrate.

Accurate and Reliable

iSPEED II works from a global positioning satellite, ensuring you receive a precise signal unaffected by weather or surface variances. The iSPEED II sensor produces an immediate ground speed signal that starts and stops in synchronization with your vehicle movement, not the ground.

Diagnostics LED's built into the cable help to quickly verify performance.

It delivers highly accurate ground speed readouts with performance equivalent to radar. Its accuracy is 0,1 mph from 0,5 to 50 mph (0,8 – 80km/h). And, iSPEED II updates at a fast 7 Hz rate, compared to the typical 1 Hz.

Applications

Typical applications for the iSPEED II sensor can be found in the area of the agriculture as for example for the traction control system on tractors, for speed measurement on intelligent planters and drills, sprayers and spreaders (headword Precision Farming), the determination of the application rates or for a large number of other applications.

But also in other application areas like for construction or forestry equipment it can be necessary to determine the speed regardless of the wheel rotation or the rotation of the shaft.

iSPEED II



Main Features

- GPS-based speed sensor
- Precise signal unaffected by weather or surface variations
- Quick, simple magnetic or adhesive installation – no bolt-on brackets
- Easy transfer from vehicle to vehicle
- Compact design for easy mounting on tractor or implement
- Pre-programmed for instant start-up – no calibration required
- Immediate ground speed signal
- Signal starts and stops with vehicle movement, not ground
- Updates at fast 7 Hz rate
- Battery backup for GPS satellite table reduces startup time
- Diagnostics LED's built into the cable help to quickly verify performance



DICKEY-john®
CORPORATION

Revolutionizing Electronics

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General/Performance Specifications

7 updates per second provides high precision velocity readings
Polycarbonate, environmentally sealed and UV stable enclosure
Power consumption 1.5 W
Voltage input from 4.8 to 16 VDC
Magnetic mount
12-volt square wave output
Environmentally sealed connector
0.1 MPH accuracy from 0.5 to 50 MPH (0.8 to 80 km/h)
40.19 pulses per foot (132 pulses per meter)
59 Hz per mph (36.60 Hz per km/h)
Enclosure: environmentally sealed plastic
Acquisition Rate: Start < 1 minute
Pigtail cable: 15 ft. (460 mm)
Size: 3.50 in. Diameter. x 2.14 in. High.
(89 mm x 54 mm)

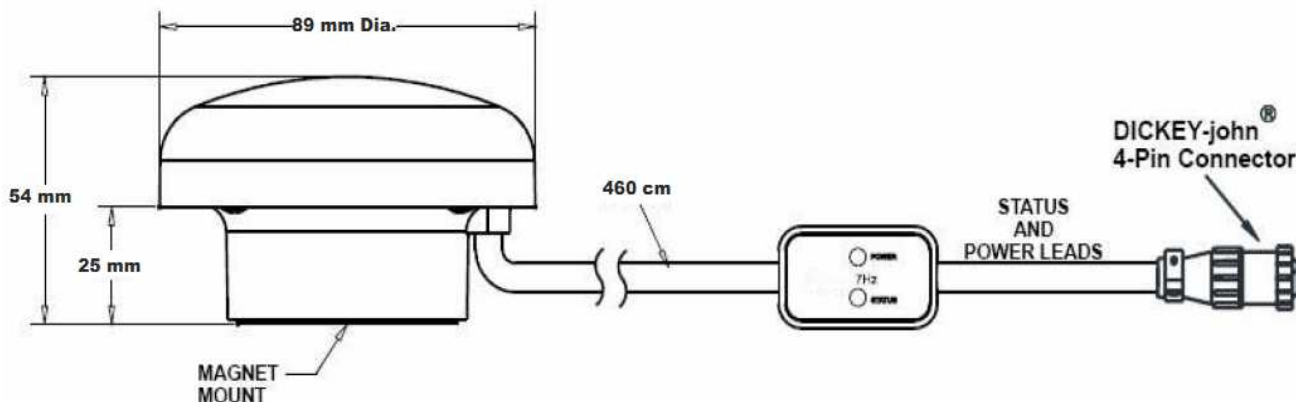
Easy Operation and Mounting

A ground speed calibration is not required when using the iSPEED II sensor as the output signal is a predetermined 40.19 pulses per foot (132 pulses per meter) travelled.

The iSPEED II should be mounted on either the centre line of the vehicle cab or centre line of the implement tool bar. A 3.5" magnetic disc is provided for convenience of mounting the iSPEED II. Installation on fibreglass, plastic, stainless steel (non magnetic) surfaces can also be done using an optional adhesive disc.

Environmental Specifications

Operating temperature: -40 to +149°F (-40 to 65°C)
Storage temperature: -40 to +176°F (-40 to 80°C)
Humidity: 100% Condensing
CE Certified



Backed by the Power of DICKEY-john

When you buy the iSPEED II ground speed sensor, you get all this plus the dependability and reliability you expect from DICKEY-john products. DICKEY-john's advanced technology and superior electronics are backed by a team of expert in-house mechanical, electrical, software, and test engineers. We manufacture our products, ensuring total quality control. We're ISO 9001 certified.

DICKEY-john Corporation reserves the right to make changes to dimensions, technical specifications and other information without further notice.